

ABSTRACT

An adjacent sample comparison processing section 201 compares power values between adjacent samples of a delay profile created based on an oversampled received signal and detects whether the power value is increasing or decreasing. A comparison result storage processing section 204 adds 1 when information on an increase/decrease in power values between the adjacent samples remains the same as information in the previous time or resets the information and newly sets 1 when the information is different from the information in the previous time. A slope decision processing section 205 controls a path selection section 207 when the count number of the comparison result storage processing section 204 becomes the same as an oversampling number so as to select the corresponding sample as a path. The path selection section 207 selects the sample having a peak value as a path candidate and also selects the sample instructed from the slope decision processing section 205 as a path. This makes it possible to reduce an amount of calculation in selecting a path, reliably select a path and reduce an error rate of received data.